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EDUCATION:

Ph.D in Neurobiology, UC Irvine, 1993
B.A. in Chemistry/Biochemistry, UC, San Diego, 1987

PROFESSIONAL EXPERIENCE:

2002–present Asst. Professor, Dept. of Biomedical Eng., Georgia Tech and Emory Univ.
2000–2001 Senior Research Assistant, Division of Biology, Caltech
1996–2000 Senior Research Fellow, Division of Biology, Caltech
1993–1996 Research Fellow, Division of Biology, Caltech

GRADUATE AND POSTDOCTORAL ADVISING (in past 5 years):

DW. Aswad, SE.Fraser, J. Pine, AW. Blau, TD. DeMarse, DA. Wagenaar

OTHER COLLABORATORS (in past 48 months):

K.-H. Boven, G.J. Brewer, C.-B. Chien, M. Emerling, R.W. Friedrich, G. Feng, S.E. Fraser, J.E. Gonzalez, K. Kilborn, G. Laurent, H.A. Lester, K. Longmuir, T. Manuccia P.M. Mombaerts, E. Oja, J.B. Pawley, J. Pine, J. Sanes, E.M. Schuman, R.Y. Tsien, B.C. Wheeler

SELECTED PUBLICATIONS:

1. “The Neurally Controlled Animat: Biological Brains Acting with Simulated Bodies”, (with T.B. DeMarse, D.A. Wagenaar, and A.W. Blau), *Autonomous Robots* **11**, 305-310 (2001)
2. “Distributed processing in cultured neuronal networks”, in: Nicolelis MAL, editor. *Progress In Brain Research: Advances in Neural Population Coding*. Vol 130. Amsterdam: Elsevier, 49-62 (2001)
3. “A new approach to neural cell culture for long-term studies”, (with T.B. DeMarse), *J. Neurosci. Methods* **110**, 17-24 (2001)
4. “Animat in a Petri Dish: Cultured Neural Networks for Studying Neural Computation”, (with S.E. Fraser and J. Pine) *4th Joint Symposium on Neural Computation Proceedings* **4**, 167-174 (1997)
5. “Interfacing neuronal cultures to a computer-generated virtual world”, (with T.B. DeMarse, D.A. Wagenaar, and A.W. Blau) *7th Joint Symposium on Neural Computation Proceedings*, **7**, 36-42 (2000)
6. “Structure and emergence of specific olfactory glomeruli in the mouse”, (with C. Zheng, D.S. Koos, P. Feinstein, S.E. Fraser, and P. Mombaerts) *Journal of Neuroscience* *2001*: in press